Manufacturer: Power-One

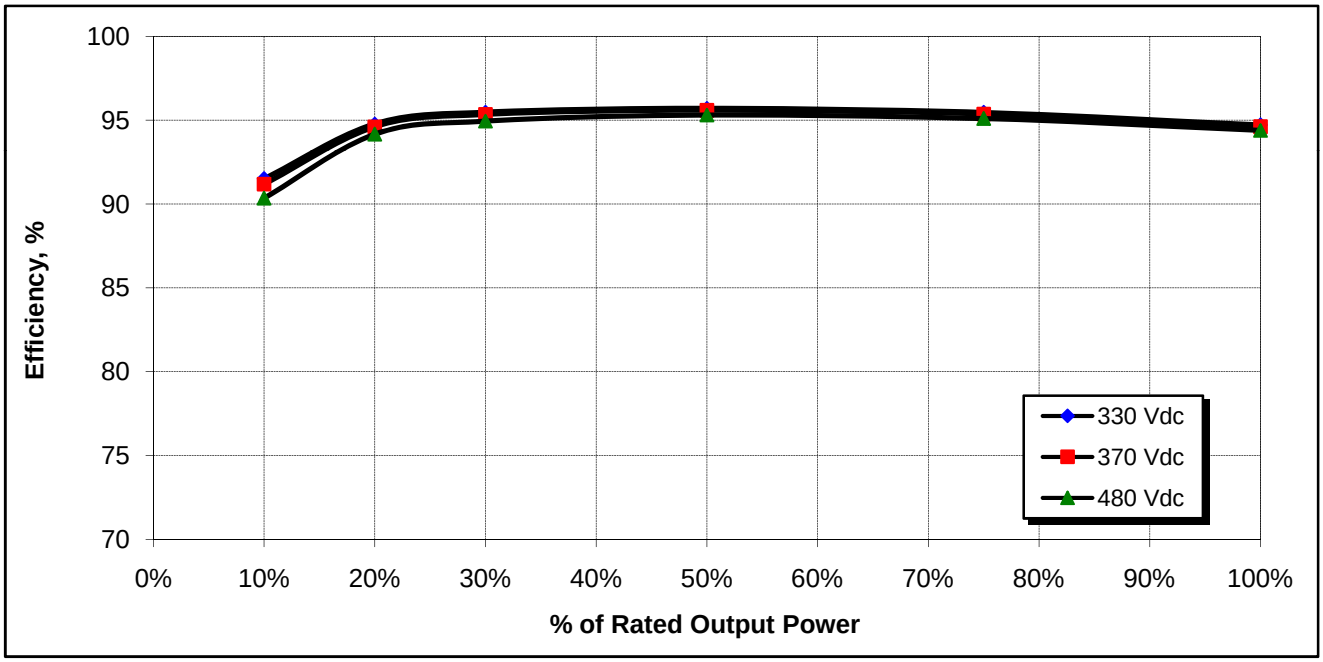
Model #: PVI-CENTRAL-100-US (480Vac)

Rated Maximum Continuous Output Power @25°C: 100 kW Night Tare Loss: 50.00 W
Rated Maximum Continuous Output Power @40°C: 100 kW Night Tare Loss: 50.00 W

Vmin: 330 Vdc Vnom: 370 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		10.00	20.00	30.00	50.00	75.00	100.00	Wtd
Vmin	330	91.5	94.8	95.5	95.7	95.5	94.7	95.3
Vnom	370	91.2	94.6	95.3	95.6	95.4	94.6	95.2
Vmax	480	90.3	94.2	95.0	95.3	95.1	94.4	94.8

CEC Efficiency = 95.0%



Inverter Efficiency Data

Minimum of 5 samples required

Specified		Sample #1			Sample #2			Sample #3			Sample #4			Sample #5		
Output Power	Input Voltage	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(% of rated)	(Vdc)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	9948.1	333.93	91.488	9947	333.68	91.517	9950	333.51	91.540	9947	333.7	91.514	9945	333.51	91.474
20%	Vmin	21937	332.03	94.779	21936	332.22	94.777	21937	332.22	94.789	21936	332.54	94.765	21936	332.34	94.772
30%	Vmin	32447	332.51	95.497	32447	332.5	95.416	32446	332.28	95.471	32447	332.25	95.487	32447	331.99	95.485
50%	Vmin	49966	333.78	95.723	49966	333.5	95.695	49967	333.2	95.729	49968	333.79	95.714	49967	334.16	95.725
75%	Vmin	70113	333.88	95.458	70112	334	95.447	70111	334.22	95.463	70110	334.38	95.446	70117	334.16	95.476
100%	Vmin	95097	332.07	94.692	95097	331.39	94.674	95091	331.34	94.699	95097	331.26	94.716	95098	330.8	94.766
10%	Vnom	9940.9	371.16	91.180	9941	370.85	91.181	9943	370.65	91.211	9939	370.68	91.184	9941	370.68	91.177
20%	Vnom	21917	371.14	94.584	21923	371.36	94.618	21918	371.26	94.610	21918	371.19	94.598	21918	371.61	94.603
30%	Vnom	32432	372.8	95.327	32432	373.15	95.347	32430	373.37	95.355	32429	373.11	95.331	32428	373.24	95.352
50%	Vnom	50054	372.5	95.577	50057	372.96	95.596	50056	372.76	95.595	50052	372.84	95.608	50052	373.18	95.592
75%	Vnom	70192	369.93	95.377	70191	370	95.366	70188	370.04	95.374	70187	370.1	95.342	70197	370.6	95.405
100%	Vnom	95123	371.27	94.604	60.01	371.15	94.609	95129	371.21	94.608	95126	371.42	94.615	95123	371.09	94.615
10%	Vmax	9912.2	481.82	90.283	9916	481.77	90.326	9917	481.9	90.356	9915	481.77	90.342	9916	482.2	90.323
20%	Vmax	21930	479.41	94.142	21930	479.17	94.159	21928	479.29	94.166	21927	479.17	94.148	21926	478.8	94.167
30%	Vmax	32424	483.47	94.926	32425	482.8	94.956	32425	482.88	94.964	32424	483.32	94.959	32428	483.77	94.973
50%	Vmax	49991	479.53	95.295	49994	479.74	95.311	49995	479.94	95.309	49997	479.65	95.346	49997	479.96	95.300
75%	Vmax	70143	482.07	95.090	70143	481.98	95.078	70143	482.17	95.070	70145	482.15	95.099	70144	482.09	95.082
100%	Vmax	95158	481.31	94.369	95157	481.38	94.388	95160	481.2	94.419	95154	481.37	94.390	95158	481.87	94.392

Specified		Sample #6			Sample #7			Sample #8			Sample #9			Sample #10		
Output Power	Input Voltage	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(% of rated)	(Vdc)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	9947.1	333.61	91.518	9944	333.75	91.488									
20%	Vmin	21939	332.12	94.797	21936	332.28	94.769									
30%	Vmin	32452	332.17	95.512	32452	332.22	95.531									
50%	Vmin	49966	334.13	95.719	49968	334.61	95.710									
75%	Vmin	70114	334.5	95.470	70112	334.61	95.467									
100%	Vmin	95096	330.75	94.695	95093	330.96	94.723									
10%	Vnom	9945.5	370.76	91.236	9942	371	91.177									
20%	Vnom	21919	371.74	94.586	21925	371.31	94.622									
30%	Vnom	32429	373.64	95.348	32433	373.57	95.360									
50%	Vnom	50053	372.45	95.589	50053	372.84	95.607									
75%	Vnom	70197	370.71	95.388	70201	370.64	95.377									
100%	Vnom	95127	370.74	94.604	60.01	371.71	94.655									
10%	Vmax	9918.6	481.79	90.361	9920	481.65	90.394									
20%	Vmax	21931	479.33	94.187	21927	479.48	94.143									
30%	Vmax	32425	483.66	94.927	32426	483.35	94.956									
50%	Vmax	49999	479.46	95.313	49996	479.77	95.316									
75%	Vmax	70148	482.9	95.110	70149	482.94	95.114									
100%	Vmax	95160	482.1	94.389	95160	481.99	94.401									